

JUL. 7. 2005 9:38AM

HITT GAINES 9724808865

RECEIVED  
CENTRAL FAX CENTER

NO. 1295 P. 1

JUL 07 2005

## HITT GAINES, P.C.

Intellectual Property Law & Related Matters

### FACSIMILE TRANSMISSION

TO: USPTO  
Examiner Michelle Estrada; Art Unit 2823

FAX NO. (703) 872-9306

FROM: Ronald J. Corbett

RE: Serial No.: 10/803,244  
Attorney Docket No.: ABE 1-38-1-3  
LUCT-125886

DATE: July 7, 2005

PAGES: 5 (including cover page)

If you do not receive the indicated number of pages, please notify the sender at the telephone number shown below. Thank you.

THE INFORMATION CONTAINED IN THIS FACSIMILE TRANSMISSION IS AN ATTORNEY-CLIENT PRIVILEGED, CONFIDENTIAL COMMUNICATION INTENDED FOR THE EXCLUSIVE USE OF THE INTENDED RECIPIENT NAMED ABOVE. IF YOU ARE NOT THE INTENDED RECIPIENT, OR ARE AN EMPLOYEE OR AGENT RESPONSIBLE FOR DELIVERING THIS TRANSMISSION TO THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THIS TRANSMISSION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS TRANSMISSION IN ERROR, PLEASE NOTIFY THE SENDER IMMEDIATELY AT THE TELEPHONE NUMBER SHOWN BELOW AND MAIL THE ORIGINAL TRANSMISSION TO THE ADDRESS BELOW. WE WILL REIMBURSE YOU FOR ANY REASONABLE EXPENSE YOU MAY INCUR DOING SO. THANK YOU.

#### MESSAGE:

Please send fax confirmation to: 972-480-8865

---

Mailing Address: P.O. Box 832570, Richardson, Texas 75083-2570  
Street Address: Pallasades Central II, 2435 North Central Expressway, Suite 1300, Richardson, Texas 75080-2753 U.S.A.  
Tel: (972) 480-8800 Fax: (972) 480-8865 firm@hittgaines.com

RECEIVED  
CENTRAL FAX CENTER

DOCKET NO. ABE 1-38-1-3

JUL 07 2005

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Zhenan Bao, *et al.*

Serial No.: 10/803,244

Filed: March 18, 2004

For: FORMING CLOSELY SPACED ELECTRODES

Group No.: 2823

Examiner: Michelle Estrada

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

I hereby certify that this correspondence is being facsimile transmitted to the Patent and  
Trademark Office (Fax No. (703) 872-9306) on July 7, 2005

Marty Balke  
Printed or typed name of person signing the certificate

7-7-05 Marty Balke  
Date of Mailing Signature of person mailing

Sir:

ELECTION OF CLAIMS

In response to the Official Action of June 8, 2005, Applicant hereby elects, without traverse,  
Claims 1-9 comprising Group I listed below and canceled claims 10-20.

**IN THE CLAIMS:**

1. (Original) An apparatus, comprising,  
a substrate having a planar surface  
first and second electrodes located on said planar surface, said first electrode having a top surface and a lateral surface, said lateral surface having an edge near or in contact with said substrate;  
an electrode insulating layer located on said top surface;  
a self-assembled layer located on said lateral surface; and  
wherein said second electrode is in contact with both said self-assembled layer and said electrode insulating layer.
2. (Original) The apparatus of claim 1, wherein said self-assembled layer comprises a stack of at least two self-assembled layers.
3. (Original) The apparatus of Claim 2, wherein said stack of self-assembled layers comprises an end group of a first organic molecule in a first self-assembled layer chemically coupled to an end group of a second organic molecule in a second self-assembled layer.
4. (Original) The apparatus of Claim 3, wherein said coupling between said end groups of said first and second organic molecules includes a copper bridge.
5. (Original) The apparatus of Claim 1, wherein said self-assembled layer comprises non-conductive organic molecules.

6. (Original) The apparatus of Claim 1, wherein said self-assembled layer comprises semiconductive organic molecules.

7. (Original) The apparatus of Claim 1, wherein said self-assembled layer is covalently bonded to said lateral surface.

8. (Original) The apparatus of Claim 1, wherein said self-assembled layer comprises a channel and said apparatus comprises an organic field effect transistor, wherein said channel has a charge mobility of at least about  $1 \times 10^{-3} \text{ V}^{-1} \text{ s}^{-1}$ .

9. (Original) The apparatus of Claim 1, wherein a footprint of said electrode insulating layer is substantially aligned with said top surface.

Claims 10-20 (Canceled)

The Applicant requests the Examiner to telephone the undersigned attorney of record at (972) 480-8800 if such would further or expedite the prosecution of the present application.

Respectfully submitted,

HITT GAINES, P.C.



---

Ronald J. Corbett  
Registration No. 47,500

Date: July 7, 2005

P.O. Box 832570  
Richardson, Texas 75083  
(972) 480-8800